Program Increment 4 Risks / Issues

SAFe risk rules are here

ID	Team	Risk	Status	Owner	Date Updated	Prob	Impact	Mitigation/Action	Mitigation/Action Due Date
Open Risks									
17	Earthdata Login	Given that RedHat v5 support is ending at the end of March, if the support is not extended or the product is not upgraded by that time, then Earthdata Login will be running on an unsupported OS.	Owned (Low)	Peter	1/5/2017	.5	.4		
20	GITC	If external dependencies on TLS/DNS certificate fulfillment are not met on time, then the team may be unable to complete planned activities in this PI.	Owned (Medium)	Peter	1/5/2017	.5	.6	Previous fulfillments have been turned around quickly.	
21	GITC	If Cumulus developers make changes that break the installation in NGAP, then the team may be unable to complete planned activities in this PI	Owned (Medium)	Katie	1/5/2017	.4	.8	Included reserve in PI planning; working with Cumulus. — Received Cumulus code later than anticipated, risk realized.	
22	GITC	If Splunk API access to the Cumulus dashboard is not available with the move to 2-factor authentication, then additional work may be required.	Owned (Medium)	Peter	1/5/2017	.4	.8	tickets in EI bucket	
24	NGAP	If the data requirements for new S3 accounts require additional work than planned, then the team may be unable to complete planned activities in this PI.	Owned (Low)	Peter	1/5/2017	.3	.3	Will address if it comes up.	
25	NGAP	Sandbox/ECS readiness for app deployment	Owned (Low)	Peter	1/5/2017	.4	.6		
26	NGAP	If sys cert requirements are too high, then the extra work required may mean that the team is unable to complete planned activities in this PI.	Owned (Low)	Peter	1/5/2017	.4	.5	This has not been an issue historically.	
27	NGAP	If service approvals are rejected by CSPO, then the team may be unable to complete planned activities in this PI.	Owned (Medium)	Peter	1/5/2017	.6	.6	May require ESDIS to push back if this occurs.	
28	NGAP	If the NGAP team is unable to provide access to operators to support their systems properly, then those systems will not be able to move to production on NGAP.	Owned (Low)	Peter	1/5/2017	.4	.5	Expect operators to give NGAP team requirements in PI4 for PI5 cutovers; do not currently have any tickets from CMR indicating what existing OPS support is not covered in PI4.	
29	NGAP	If there are lags in GP-MCE response, then the team may be unable to complete planned activities in this PI.	Owned (Medium)	Peter	1/5/2017	.6	.6	May require ESDIS to push back if this occurs.	
31	Service Gateway	If the current version of ArcGIS has issues supporting WCS, then the team may be unable to complete planned activities in this PI.	Owned (Medium)	Kristene	1/5/2017	.5	.5	May be mitigated by dropping to an older version of ArcGIS.	
4	GITC	If unforeseen challenges installing to NGAP take too much time, then the team may be unable to complete planned activities in this PI	Accepted (Low)	N/A	1/5/2017	.2	.7	Added resource for this PI.	

| 6 | NGAP | Given that there are a number of big unknowns related to scanning requirements, if additional work or delays result then the team may be unable to complete planned activities in this PI. | Accepted (Low) | N/A | 1/5/2017 | .4 | .6 | Will readdress if requirements change signficantly when the report comes out (expected week of 1/9/17). | |

Risks closed – realized

1	ClearCase Migration	Given that all team members are part-time, if the team does not have enough common time working on the tasks then the team may be unable to complete planned activities in this PI.	Accepted	N/A	2/16/2017	.4	.8	Team members are coordinating to work the same days of the week on CC migration tasks. **Risk realized, Objective is RED.**	
5	L1/L2	If SMAP-S data is not available as expected or the complexity is higher than expected, then the team will be unable to complete planned work in this PI.	Accepted	N/A	2/16/2017	.8	.8	**Risk realized, Objective is RED.**	
23	L1/L2	If the science team is unable to provide VIIRS L2 data with lat/long by 2/15, then the L1/L2 team will be unable to prototype VIIRS L2 HEG support in this PI.	Realized	Chris B	1/5/2017	.5	.9	**Risk realized, Objective is RED**	SIPS has agreed to supply the lat/long data to NSIDC.
15	CMR	Given that additional ACL work may be required than currently planned, if the CMR team needs to keep John Cromartie for 2 sprints rather than the currently planned 1, then the Earthdata team will not have all planned resources during that second sprint.	Owned	Dana	1/5/2017	.4	.3	Risk has been realized.	

Risks closed – not realized

2	CMR	If Jason is helping with Bamboo, then he may end up providing less support for the CMR team than planned.	Accepted (Low)	N/A	1/5/2017	.2	.3	Jason did not plan himself 100% on the Bamboo work so that he could still allocate some time to CMR if needed. – Risk was not realized.	
3	CMR	If there are unexpected issues moving the heritage apps to NGAP, then CMR in the Cloud objectives may not be met.	Accepted (Low)	N/A	1/5/2017	.2	.4	Risk was not realized.	
7	CMR	If the number of concurrent connections cannot be improved as additional load is anticipated with increased ACL usage, then CMR performance will not meet expectations.	Mitigated	N/A	1/5/2017			Extra time planned for Jason in Sprint 1.	
8	Config Tools	If the MMT does not work properly upon PUMP shutdown, then SDPS will not be able to meet requirements.	Mitigated	N/A	1/5/2017			If MMT doesn't work, the ability to go back to PUMP will remain.	
9	EDSC	If users are not available to support the user study by *???,* then the documentation will not be completed as planned.	Mitigated	N/A	1/5/2017			Work starts in Sprint 1, will conduct interviews in Sprint 2 and mitigate by moving documentation due date to Sprint 4 or 5.	
10	MMT	If CMR SIT is moved to NGAP, then unforeseen problems may result causing the team to be unable to complete planned activities in this PI.	Mitigated	N/A	1/5/2017			If problems occur, will switch back DNS if necessary.	
11	MMT	If the NGAP move introduces problems for MMT, then the team may be unable to complete planned activities in this PI.	Mitigated	N/A	1/5/2017			NGAP expertise added to the MMT team for this PI.	
12	MMT	If there are delays in critical beta test feedback, then there could be delays in shutdown readiness.	Mitigated	N/A	1/5/2017			Early testing; active management of feedback from external users; ask DAACs to use MMT only starting 4/2.	
13	NGAP	If support of Cumulus/GITC onboarding requires more time to complete, then the team may be unable to complete planned activities in this PI.	Mitigated	N/A	1/5/2017			Mitigated by bringing Andrew onboard.	
14	CMR	If Erich's other responsibilities do not allow him enough time to learn Clojure, then he may not be able to support the team as planned.	Owned	Dana	2/23/2017	.1	.3	Erich was able to join the dev team as planned and the team is completing their objectives on schedule. Risk not realized.	

16	CMR	Given that the CMR team has already seen several cases of poor performance from RDS, if Oracle performance does not improve then additional resources may be required to find a replacement.	Owned	Dana	2/2/2017	.1	.1	DMS required additional Oracle indices, which once added have alleviated the performance spikes we had been seeing. Recommend closing this risk.
18	EI	If additional Splunk licenses are not procured, then there may not be enough licenses when Cumulus is onboarded.	Owned	Peter	2/22/2017	.5	.5	RISK has been mitigated with a temporary license increase from Splunk. This license increase ends in June of 2017
19	EI	If the CMR SITand UAT move to the cloud after 3/6/17, then the planned migration of Reverb to the old CMR hardware will not be completed in this PI.	Owned	Dana	2/23/2017	.2	.3	SIT and UAT have cut over and SAs have done Reverb migration work on schedule. Risk not realized.
30	Reverb	Given that RedHat v5 support is ending at the end of March, if the support is not extended or the product is not upgraded by that time, then Reverb will be running on an unsupported OS.	Owned	Dana	2/16/2017	.1	.2	Received extended RH5 support in March.
32	Service Gateway	If ArcGIS is not available to the team by ???, then the team may be unable to complete planned activities in this PI.	Owned	Kristene	2/23/2017	.9	.5	CLOSED. ArcGIS has been procured and is in place.
33	Bamboo NGAP	Scanning takes a long time. It may take a large amount of work to trim down scans or customize per app to run in a reasonable amount of time.	Mitigated		1/12/2017			We have a lot of reserve and are under planned in sprint 5 when we are planning this.
34	Bamboo NGAP	Kevin and Jon are in support roles that receive requests all the time.	Mitigated		1/12/2017			Lower velocity in sprints. Jason will keep an eye on availability and call for help if the PI plan is at risk.
35	Bamboo NGAP	Kevin will have to deal with HTTPS in the first sprint.	Mitigated		1/12/2017			Planned into first 2 sprints.
36	Bamboo NGAP	Jon may need to help with puppet support.	Mitigated		1/12/2017			We have communicated to Jon that Bamboo NGAP is higher priority.